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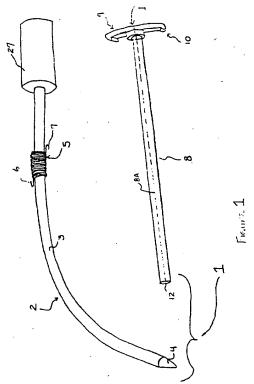
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(54) Insertion and tunneling tool for a subcutaneous wire patch electrode.

A tool (1) for subcutaneously implanting a subcutaneous electrode comprising several wire patch electrode segments by way of a single surgical incision. The tunneling tool (1) comprises a stylet (2) and a peel-away sheath (8). The tunneling tool (1) is inserted into an incision, in a direction which corresponds to the desired placement of an electrode segment. Once the tunneling tool reaches a desired position, the stylet (2) is withdrawn, thereby revealing the interior of the peel-away sheath (8) and a resulting subcutaneous tunnel. The corresponding electrode segment is then inserted into this subcutaneous tunnel, and subsequently implanted in the patient. The implantation procedure is then repeated as many times as is necessary, using the same incision, until all the electrode segments for the particular electrode configuration have been implanted. In addition, the tunneling tool (1) can be adapted to conform to varying electrode segment sizes, which thereby allows the tool to conform to the varying needs of each individual patient. As an even further feature, the tunneling tool (1) can be constructed in a curved configuration to facilitate electrode implantation in the lateral thoracic region of the body.



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	DOCUMENTS CONS	EP 92305073.6			
Category	Citation of document wi of rele	th indication, where approvant passages	priate,	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IN CI Y
x	<u>US - A - 4 596</u> (J.J. FLEISCH	5 559 HACKER)		1-3,7, 11,12	A 61 N 1/372
Y	* Totality	*		9.10	
x	EP - A - 0 280 (BARD LTD.)	528		1,7,12	
Y A	* Totality	*	-	9,10 2,3,11	
x .	US - A - 4 888 (P.H. McQUILK)	3 000 (N et al.)		1,7,12	
Y A	* Totality	*		9,10 2,3,11	
Y	<u>GB - A - 2 103</u> (H.G. WALLACE	LTD.)		9	
	* Figure 1; lines 3-5	abstract; post claims 1,2	page 1.		TECHNICAL FIELDS
Y	EP - A - 0 362 (CATHETER TECH	2 462 INOLOGY		10	A 61 B A 61 M
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Y:pa do A:teo	CATEGORY OF CITED DOCI rticularly relevant if taken elone rticularly relevant if combined w current of the same category chnological background	after the filin document ci document ci	ent cited in the application ent cited for other reasons		
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CLAIMS INCURRING FEES							
_	. ·	European patent application comprised at the time of filing more than ten claims.					
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		All claims less have been paid within the prescribed time limit. The present European search report has been drawn up for all claims.					
		Only part of the claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims and for those claims for which claims fees have been paid.					
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		namely claims:					
		No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims.					
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\sum	A	CK OF UNITY OF INVENTION					
		Division considers that the present European patent application does not comply with the requirement of unity of					
		d relates to several inventions or groups of inventions,					
nar	nely:	1. Claims: 1-12: ("A funneling fool for")					
		2. Claims: 19-25: ("A body implantable electrode")					
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		report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid,					
		namely claims:					
	X	None of the further search fees has been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims.					
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PARTIAL EUROPEAN SEARCH REPORT

-2-EP 92305073.6

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	Citation of document with indication, where appropriate, of relevant passages	Relevant	APPLICATION (Int. CI.X)
	CORPORATION) * Figure 1; abstract; column 1, lines 1-13; column 2, lines 15-32; column 5, lines 4-11; column 8, lines 20-27; claims 1,20 *	to claim	•
A	<pre>DE - A - 2 929 233 (MEDTRONIC INC.) * Fig. 1; claims 1,3,5; page 13, line 6 - page 16, line 15 *</pre>	1,3,9,	
			TECHNICAL FIELDS SEARCHED (Int. CI.4)
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